

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

PP00365.301

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

Unknown

09/674546

INTERNATIONAL APPLICATION NO.  
PCT/US99/09346INTERNATIONAL FILING DATE  
April 30, 1999PRIORITY DATE CLAIMED  
May 1, 1998

## TITLE OF INVENTION

NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS

## APPLICANT(S) FOR DO/EO/US

Guido GRANDI, Erin HICKEY, Vega MASIGNANI, Marirosa MORA, Jeremy PETERSEN, Marigrazia PIZZA, Rino RAPPUOLI, Giulio RATTI, Vincenzo SCARLATO, Maria SCARSELLI, Herve TETTELIN, Craig VENTER

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

## Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☒ Certificate of Mailing by Express Mail
20. ☒ Other items or information:

Copy of Published Specification  
Written Opinion and Response filed  
Amended Claims as of September 4, 2000

U.S. APPLICATION NO. (IF KNOWN, SEE 35 U.S.C. 122)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
09/674546	PCT/US99/09346	PP00365.301

21. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5)) :</b>					
<input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO . . . . .				\$970.00	
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . .				\$840.00	
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . .				\$690.00	
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . .				\$670.00	
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . .				\$96.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$1,810.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>\$130.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	18 - 20 =	0	x \$18.00	\$0.00	
Independent claims	4 - 3 =	1	x \$78.00	\$78.00	
Multiple Dependent Claims (check if applicable).				<input type="checkbox"/>	\$0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$2,018.00</b>	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).				<input type="checkbox"/>	\$0.00
<b>SUBTOTAL =</b>				<b>\$2,018.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<input type="checkbox"/>	\$0.00
<b>TOTAL NATIONAL FEE =</b>				<b>\$2,018.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).				<input type="checkbox"/>	\$0.00
<b>TOTAL FEES ENCLOSED =</b>				<b>\$2,018.00</b>	
				Amount to be: refunded	\$
				charged	\$

☒ A check in the amount of **\$2,018.00** to cover the above fees is enclosed.

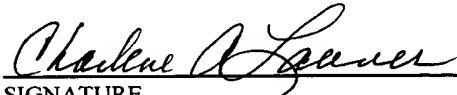
☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **03-1664** A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Alisa A. Harbin  
CHIRON CORPORATION  
Intellectual Property - R338  
PO Box 8097  
Emeryville, California 94662-8097  
US

  
SIGNATURE

**Charlene A. Launer**  
NAME

**33,035**  
REGISTRATION NUMBER

November 2000  
DATE

PATENT  
PP00365.301

09/ 674546  
526 Rec'd PCT/PTO 01 NOV 2000

**PATENT COOPERATION TREATY  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

International Application No. PCT/US99/09346	International Filing Date 30 April 1999	Priority Date Claimed 1 May 1998
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Title of Invention  
**NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS**

Applicants for DO/EO/US:  
**Claire FRASER, Cesira GALEOTTI, Guido GRANDI, Erin HICKEY, Vega MASIGNANI, Marirosa MORA, Jeremy PETERSEN, Marigrazia PIZZA, Rino RAPPUOLI, Giulio RATTI, Vincenzo SCARLATO, Maria SCARSELLI, Herve TETTELIN, Craig VENTER**

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

Box PCT  
Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Express Mail Mailing Label No.: EL353112894US

Date of Deposit: 1 November 2000

I hereby certify that the attached Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C.371, copy of published specification, Check No. 7421 the amount \$2,018.00 and Postal Receipt Card are being deposited with the United Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R.1.10 on the date indicated above and addressed to the Assistant Commissioner of Patents, Box PCT, Washington, D.C. 20231.

Date: 1 November 2000

Melodi K. Dice  
Melodi K. Dice

CHIRON CORPORATION  
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